

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7707 (1975): Bolster Plates for Gap Frame Presses with Die Cushion [PGD 4: Metal Forming Machines]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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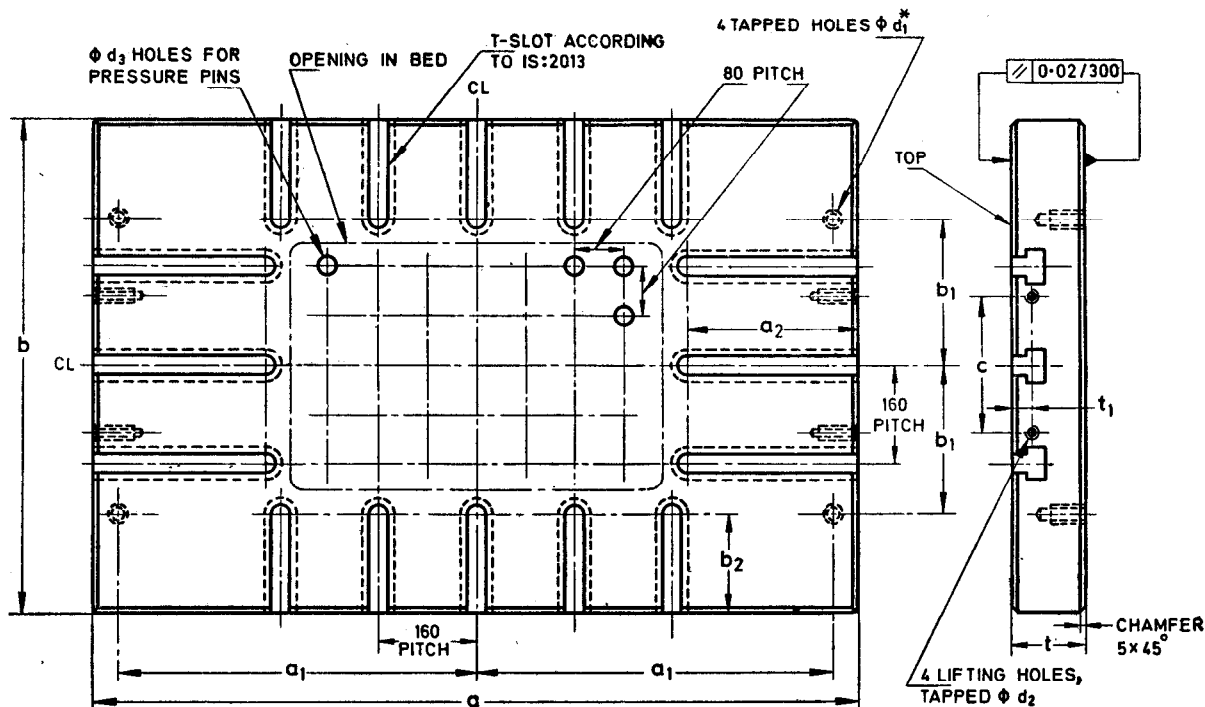


Indian Standard

SPECIFICATION FOR BOLSTER PLATES FOR GAP FRAME PRESSES WITH DIE CUSHION

1. Scope — Covers dimensions and requirements for bolster plates used for one-point gap frame presses with die cushion.

2. Dimensions — As given in Table 1 read with Fig. 1.



*Tap depth = $1.5 d_1$ in case of mild steel
= $2 d_1$ in case of cast iron

All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR BOLSTER PLATES FOR GAP FRAME PRESSES WITH DIE CUSHION

3. Designation — A bolster plate of nominal size 500 × 315 mm shall be designated as:

Bolster Plate 500 × 315 IS : 7707

4. Material — Steel of St 42 grade of IS : 226-1969 'Specification for structural steel (standard quality) (fourth revision)'. The use of cast iron of grade 20 of IS : 210-1970 'Specification for grey iron castings (second revision)' is optional.

5. Marking — Shall be marked at an appropriate place with the nominal size and the manufacturer's name or trade-mark.

5.1 ISI Certification Marking — Details available with the Indian Standards Institution.

TABLE 1 DIMENSIONS FOR BOLSTER PLATES FOR GAP FRAME PRESSES WITH DIE CUSHION

(Clause 2 and Fig. 1)

All dimensions in millimetres.

Capacity in Tonnes	Nominal Size $a \times b$	Bolster Thickness t	a_1	b_1	a_2	b_2	c	t_1	d_1	d_2	d_3	T-Slot	Left to Right		Front to Back	
													No. of T-Slot	No. of Pressure Pin Rows	No. of T-Slot	No. of Pressure Pin Rows
10	500 × 315	65	225	90	112	63	125	25	M20	M16	22	18 H12	1	3	1	1
16	560 × 355	70	255	100	125	71	125	25	M20	M16	22	18 H12	1	3	1	3
25	630 × 400	75	290	112	140	80	160	25	M20	M16	22	18 H12	1	3	1	3
40	710 × 450	75	325	125	160	90	160	25	M24	M16	22	22 H12	1	5	1	3
63	800 × 500	90	370	140	180	100	200	25	M24	M16	22	22 H12	1	5	1	3
(80) 100	1 000 × 630	90	460	200	224	125	200	32	M30	M20	28	22 H12	3	5	3	5
(125) 160	1 120 × 710	112	520	240	250	140	250	32	M30	M20	28	28 H12	3	7	3	5
(200) 250	1 250 × 800	120	585	240	280	160	250	32	M30	M20	28	28 H12	5	7	3	5

Note — Dimensional deviation for dimensions 'a' and 'b' — Extra coarse grade; for other dimensions — Medium grade according to IS : 2102-1969 ' Allowable deviations for dimensions without specified tolerances (first revision) '.